Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Construction of convention hall infront of Rangamandira at Attur layout in Ward no. 03.

						Estimate Cost Rs.			50.00 Lakhs
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	Column for roof truss	16	1.80	1.80	2.00	103.68			
	For SSM	2	25.00	0.75	0.80	30.00			
		2	10.00	0.75	0.80	12.00			
	RCC Drain for lead off	1	20.00	1.00	0.90	18.00			
	Culvert	1	9.00	1.80	1.00	16.20			
	Approach concrete	1	20.00	5.00	0.20	20.00			
						199.88	**Cum**	**394.42**	**78836.67**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	394.42							
2	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (P.No-7,I No-2.15)								
	Platform	1	10.00	25.00		250.00			
						250.00	**Sqm**	**112.36**	**28090.00**
	Basic Rate Rs.=	106.00							
	Add 6% A.W Rs. =	6.36							
	Total Rate Rs. =	**112.36**							
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (P.No-7,I No-2.15)								
	Column for roof truss	16	1.80	1.80	0.20	10.37			
						10.37	**Cum**	**2574.74**	**26694.90**
	Basic Rate Rs.=	2429.00							
	Add 6% A.W Rs. =	145.74							
	Total Rate Rs. =	**2574.74**							

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Column for roof truss	16	1.80	1.80	0.15	7.78			
	For SSM	2	25.00	0.75	0.15	5.63			
		2	10.00	0.75	0.15	2.25			
	Surround Rangamandira	2	10.00	1.00	0.15	3.00			
		2	15.00	1.00	0.15	4.50			
	Platform flooring	1	10.00	25.00	0.15	37.50			
	RCC Drain for lead off	1	20.00	1.00	0.15	3.00			
	Culvert	1	9.00	1.80	0.15	2.43			
	Approach concrete	1	20.00	5.00	0.15	15.00			
						81.08	**Cum**	**5421.90**	**439613.07**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
	For SSM	2	25.00	0.75	0.80	30.00			
		2	10.00	0.75	0.80	12.00			
	Culvert	2	9.00	0.60	1.00	10.80			
						52.80	**Cum**	**4871.76**	**257228.93**
	Basic Rate Rs.=	4596.00							
	Add 6% A.W Rs. =	275.76							
	Total Rate Rs. =	**4871.76**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.9 of KPWD S.R 2016-17).								
	For SSM	2	25.00	0.60	0.60	18.00			
		2	10.00	0.60	0.60	7.20			
						25.20	**Cum**	**5811.98**	**146461.90**
	Basic Rate Rs.=	5483.00							
	Add 6% A.W Rs. =	328.98							
	Total Rate Rs. =	**5811.98**							
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For SSM	2	25.00	0.60	0.10	3.00			
		2	10.00	0.60	0.10	1.20			
	Culvert coping	2	9.00	0.60	0.10	1.08			
	Culvert bed	1	9.00	0.60	0.10	0.54			
	Approach concrete	1	20.00	5.00	0.15	15.00			

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate Rs.=	5422.00				20.82	Sqm	5747.32	119659.20
	Add 6% A.W Rs. =	325.32							
	Total Rate Rs. =	**5747.32**							
8	Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM etc., complete as per specification. (P.No. 111, I.No. 14.60)								
	Platform flooring	1	10.00	25.00		250.00			
	For Steps	36	1.50	0.20		10.80			
						260.80	**Sqm**	**3679.26**	**959551.01**
	Basic Rate Rs.=	3471.00							
	Add 6% A.W Rs. =	208.26							
	Total Rate Rs. =	**3679.26**							
9	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (P.No.147 I.No.19.60)								
	Platform	1	10.00	15.00	0.50	75.00			
						75.00	**Cum**	**344.50**	**25,837.50**
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ (P.No.14/It No.4.11)								
	Column foundation	16	1.50	1.50	0.60	21.60			
	Column	16	1.00	1.00	1.40	22.40			
	Surround Rangamandira	2	10.00	1.00	0.10	2.00			
		2	15.00	1.00	0.10	3.00			
	RCC Drain raft	1	20.00	0.75	0.15	2.25			
	RCC Drain wall	2	20.00	0.15	0.60	3.60			
						54.85	**Cum**	**5998.54**	**329019.92**
	Basic Rate Rs.=	5659.00							
	Add 6% A.W Rs. =	339.54							
	Total Rate Rs. =	**5998.54**							

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	60kg/cum	1	49.85	60.00		2.99			
						2.99	**Tn**	**73992.24**	**221310.79**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
12	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (I No-7.29,P No-43)								
	40kg/Sqm	10.00	25.00			250.00			
						10000.00	**Kgs**	**117.66**	**1176600.00**
	Basic Rate Rs.=	111.00							
	Add 6% A.W Rs. =	6.66							
	Total Rate Rs. =	**117.66**							
13	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. (P.No.300 Item No38.30)								
		1	15.00	27.00		405.00			
	Over ranga mandira	1	8.60	9.50		81.70			
						486.70	**Sqm**	**729.28**	**354940.58**
	Basic Rate Rs.=	688.00							
	Add 6% A.W Rs. =	41.28							
	Total Rate Rs. =	**729.28**							

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
14	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
		1	4.00	2.40		9.60			
	Data Rate Rs.=	12475.00				**9.60**	**Sqm**	**12475.00**	**119760.00**
15	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	RCC Drain	1	20.00	0.75		15.00			
	Data Rate Rs.=	2337.00				**15.00**	**Sqm**	**2337.00**	**35,055.00**
16	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Culvert	1	9.00	1.80		16.20			
	Data Rate Rs.=	5418.00				**16.20**	**Sqm**	**5418.00**	**87,771.60**
17	KSRB 15-15.3 : Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (P.No.120 Item No 15.52)								
	Ranga mandira	1	8.20	5.00		41.00			
		2	9.00	5.00		90.00			
		2	6.00	5.00		60.00			
						191.00	**Sqm**	**59.36**	**11,337.76**
	Basic Rate Rs.=	56.00							
	Add 6% A.W Rs. =	3.36							
	Total Rate Rs. =	**59.36**							
17	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No.123 Item No 15.75)								
	Ranga mandira	2	8.20	5.00		82.00			
						82.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1.5times coefficient for collapsible gate					123.00	Sqm	64.66	7,953.18
Basic Rate Rs.=	61.00							
Add 6% A.W Rs. =	3.66							
Total Rate Rs. =	**64.66**							
							Total Construction Cost	**4425722.01**
							GST Charges	**531086.64**
							PMC Charges	**43,000.00**
							Sub Total	**4999808.65**
							Utility Shifting, Miscellaneous, Rounding off	**191.35**
							GRAND TOTAL	**5000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Ward 03
BBMP Bangalore

Asst. Executive Engineer
Yelahanka New town Sub division
BBMP Bangalore

Executive Engineer,
Yelahanka Division,
BBMP Bangalore

... Rs. 5000000/-
... FIFTY LAKH ONLY
... P3748
Job Code No 003-20-000094
Registered as SE(Y)/TS/ 05 /19-20 subject
to conditions contained in enclosed memo
No. 05 /19-20 Dated: 06/12/2019
6-12-2019
SE(Yelahanka)
TA
AE/JE

Administrative Sanction for Rs. 50.00 Lakhs
Rupees fifty Lakhs only
is accorded under head P-3748
C.M. Nava Nagarothana
Registered as CE No. 13 Subject
to conditions contained in enclosed memo
No. BBMP/EE/YNK-D/AS/13/22-23 Dt. 30/6/2022

Executive Engineer